Department of Homeland Security Office for Domestic Preparedness & Interoperability Efforts

Department of Homeland Security
Office for Domestic Preparedness
Feb. 25, 2003

National Homeland Security Council

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HSARPA

S&T Advisory Committee

Technology Clearinghouse

R&D Centers

DoE National Labs

University-Based Centers for Homeland Security

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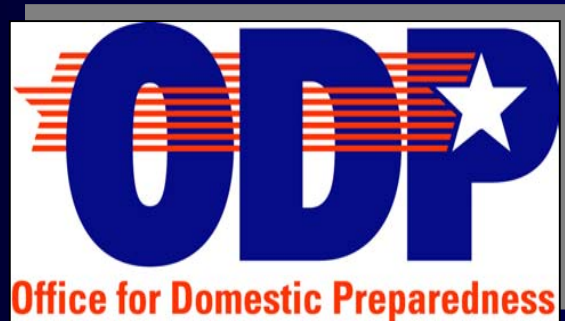
Office for Domestic Preparedness

➢ **Created by Congress in the FY' 1999 Appropriations Act**

➢**ODP services include:**

- ➢ **Equipment Acquisition**

- ➢ **Training and Exercises**

- ➢ **Technical Assistance**

➢**ODP's FY' 03 budget is $1 billion**

ODP Interoperability Efforts

➢ **State and Local Equipment Grant program**

➢ **Prepositioned Equipment Program**

➢ **Dissemination of Terrorist Threat Information**

➢ **Research and Development**

ODP
Office for Domestic Preparedness

State & Local Equipment Grant Program

State & Local Interoperable Communications

- **ODP will provide State and locals with over <u>$400 million</u> in first responder equipment in FY'03**

- **Interoperable Communications equipment is among the allowable uses of this funding.**

- **Guidelines for interoperable communications equipment are:**

"Effective and efficient emergency response requires coordination, communications, and sharing of vital information among numerous public safety and public service agencies. However, many law enforcement, fire service, emergency medical service and other emergency response personnel cannot communicate with each other during routine operations, let alone during high profile incidents, such as a terrorist incident. In an effort to improve public safety interoperability all new or upgraded radio systems and new radio equipment should be compatible with a suite of standards called ANSI/TIA/EIA-102 Phase I (Project 25). These standards have been developed to allow for backward compatibility with existing digital and analog systems and provide for interoperability in future systems. The FCC has chosen the Project 25 suite of standards for voice and low-moderate speed data interoperability in the new nationwide 700 MHz frequency band and the Integrated Wireless Network (IWN) of the U.S. Justice and Treasury Departments has chosen the Project 25 suite of standards for their new radio equipment."

Prepositioned Equipment Program (PEP)

Prepositioned Equipment Program (PEP)

The PEP Program :

"Sustains a community's response to WMD terrorist incidents, whether chemical, biological, radiological, nuclear, or explosive, by promptly bringing equipment to the emergency responder and replenishing assets consumed in the response."

PEP Concept

➢ **Standardized sets or caches of emergency first responder equipment**

➢ **Incorporates lessons learned and experiences from actual events**

➢ **Eleven pods to be phased in over a two year period**

➢ **Strategically located for best response times**

- **Respond Nationwide within 12 hours**

PEP Equipment Set

- Personal Protective Equipment (PPE)
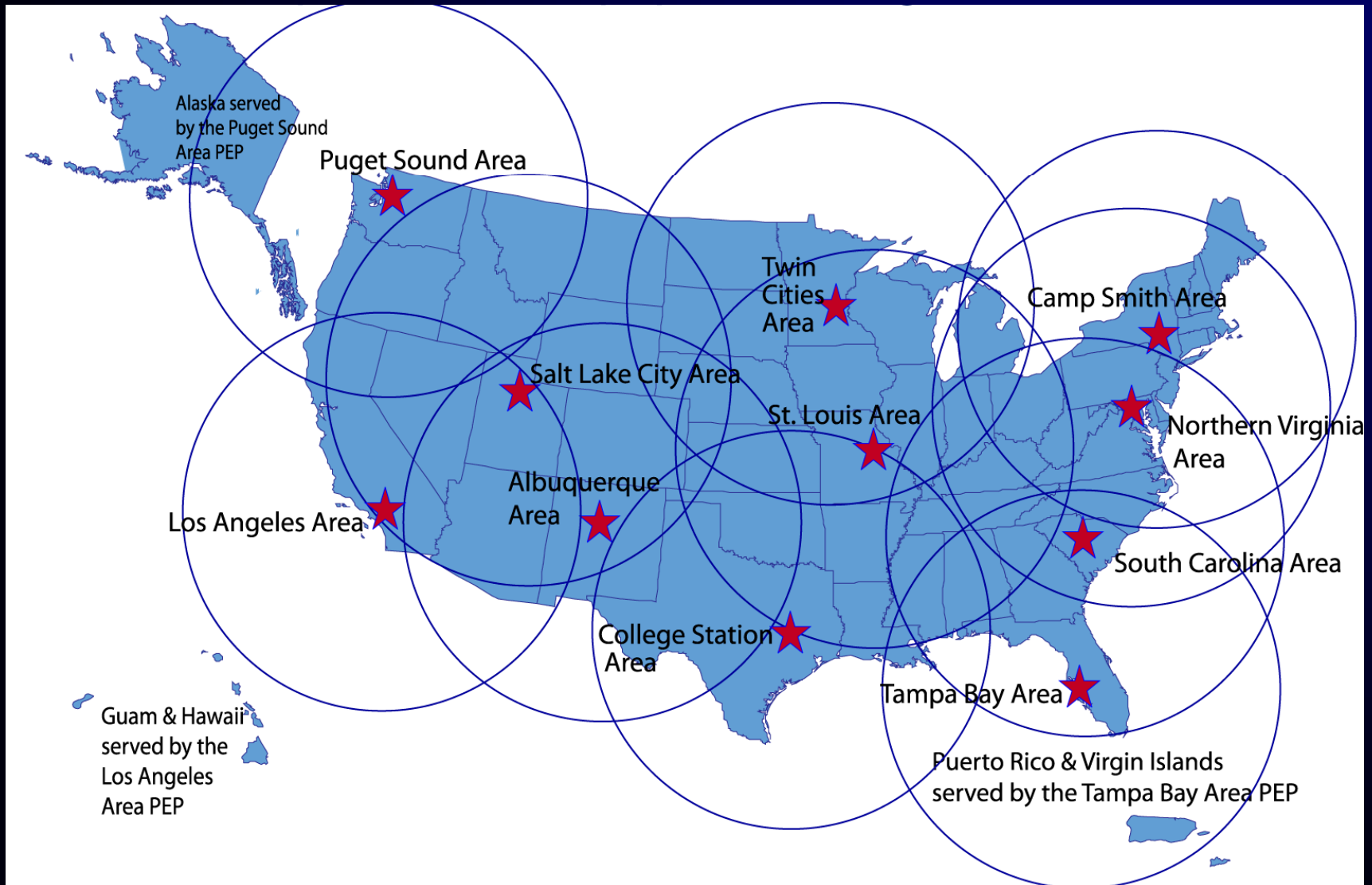
- Detection

- Communications

- Medical

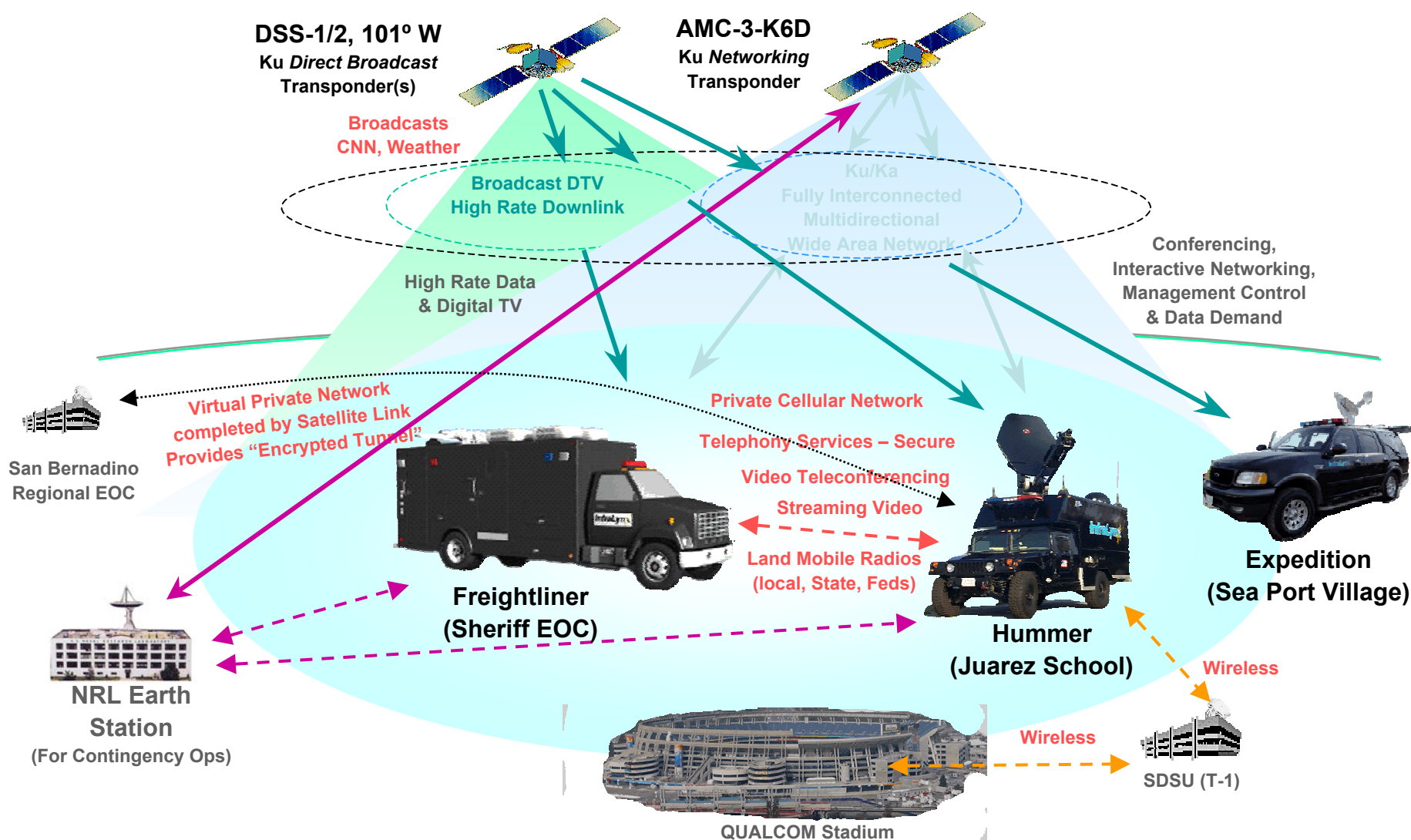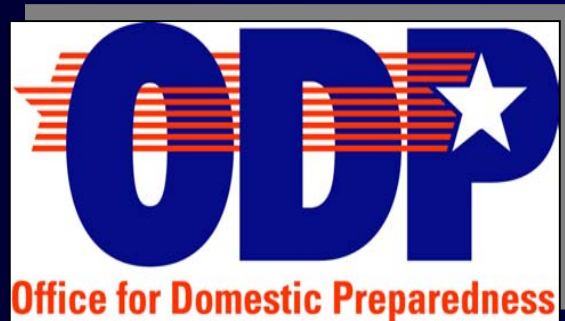- Technical Rescue

- Decontamination

WMD PEP Sites

**Communications
Interoperability Equipment**

InfraLynx – Response Overview

DSS-1/2, 101° W
Ku *Direct Broadcast* Transponder(s)

AMC-3-K6D
Ku *Networking* Transponder

Broadcasts CNN, Weather

Broadcast DTV High Rate Downlink

Ku/Ka
Fully Interconnected
Multidirectional
Wide Area Network

Conferencing, Interactive Networking, Management Control & Data Demand

High Rate Data & Digital TV

Virtual Private Network completed by Satellite Link Provides "Encrypted Tunnel"

Private Cellular Network

Telephony Services – Secure

Video Teleconferencing

Streaming Video

Land Mobile Radios (local, State, Feds)

San Bernadino Regional EOC

Freightliner (Sheriff EOC)

Hummer (Juarez School)

Expedition (Sea Port Village)

NRL Earth Station
(For Contingency Ops)

Wireless

Wireless

QUALCOM Stadium

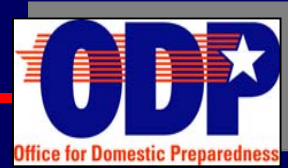SDSU (T-1)

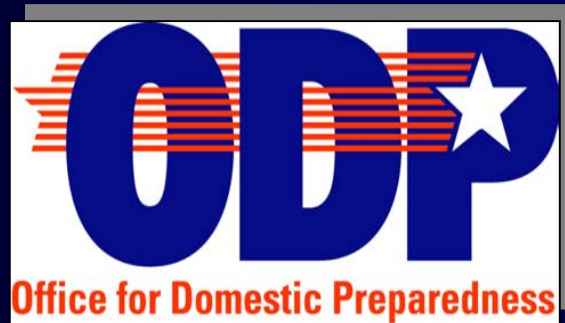# Dissemination of Terrorist Threat Information

Information Sharing

- Information sharing between Federal, State and local law enforcement has been extremely limited in the past

- State and local law enforcement must have the ability to receive threat information from Federal sources

- Any information sharing system must account for the various systems used by different agencies throughout the Nation

- The system must be secure and provide information only to those authorized to receive sensitive data

Congressional Mandate

- ➤ **Through the FY' 03 Omnibus Appropriations bill, ODP was provided $10 million for an "Electronic Terrorist Threat Dissemination system:**

Within these amounts, $10,000,000 is provided to enhance the dissemination of electronic threat information among Federal, State, and local responders. The conferees understand that there is a large proliferation of local, State, regional, and Federal information sharing initiatives. The conferees also understand that many of these systems are being developed independently with no plan to integrate with other information sharing systems such as RISS and LEO. This funding is provided to ODP to enhance State and local agencies' ability to share intelligence information with each other and with the Department of Homeland Security and the Department of Justice. The conferees direct that the ODP coordinate this program with the Bureau of Justice Assistance (BJA). The conferees also expect BJA and ODP to continue to work with State, local, and Federal agencies through the Global Intelligence Working Group of the Global Justice Information Sharing Initiative.

Research & Development

Research & Development

➢ **Identification of Emerging Technologies**

➢ **Technology Integration efforts**

➢ **Conduct Testing & Validate Standards**

PEP Contact Information

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